

PSI #11 Postoperative Respiratory

Provider-Level Indicator

Numerator

Discharges among cases meeting the inclusion and exclusion rules for the denominator.with ICD-9-CM codes for acute respiratory failure in any secondary diagnosis field.

OR

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes as follows:

- Mechanical Ventilation for 96 consecutive hours or more zero or more days after the major operating room procedure code
- Mechanical Ventilation for less than 96 consecutive hours or undetermined two or more days after the major operating room procedure code
- Reintubation one or more days after the major operating room procedure code

ICD-9-CM Acute Respiratory Failure diagnosis codes:

51881 ACUTE RESPIRATRY FAILURE

51884 ACUTE & CHRONC RESP FAIL

ICD-9-CM Mechanical Ventilation for 96 consecutive hours or more procedure code:

9672 CONTINUOUS MECHANICAL VENTILATION FOR 96 CONSECUTIVE HRS OR MORE

ICD-9-CM Mechanical Ventilation procedure codes:

9670 CONTINUOUS MECHANICAL VENTILATION OF UNSPEC DURATION

9671 CONTINUOUS MECHANICAL VENTILATION FOR LESS THAN 96

CONSECUTIVE HRS

ICD-9-CM Reintubation procedure code:

9604 INSERT OF ENDOTRACHEAL TUBE

Denominator

All elective* surgical discharges age 18 and older defined by specific DRGs or MS-DRGs and an ICD-9-CM code for an operating room procedure.

*Elective - SID Admission type # is recorded as elective (Admission Type = 3)

See Patient Safety Indicators Appendices:

Appendix A – Operating Room Procedure Codes

- Appendix D Surgical Discharge DRGs
- Appendix E Surgical Discharge MS-DRGs

Exclude cases:

- with principal diagnosis of acute respiratory failure or secondary diagnosis present on admission
- with ICD-9-CM diagnosis code of neuromuscular disorder
- where a procedure for tracheostomy is the only operating room procedure
- where a procedure for tracheostomy occurs before the first operating room procedure.
 Note: If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available.
- with any diagnosis code of craniofacial anomalies with
 - o 1) a procedure code for laryngeal or pharyngeal surgery or
 - o 2) a procedure on face
- MDC 14 (pregnancy, childbirth, and puerperium)
- MDC 4 (diseases/disorders of respiratory system)
- MDC 5 (diseases/disorders of circulatory system)

ICD-9-CM Neuromuscular Disorder codes:

3570	AC INFECT POLYNEURITIS	35923	MYOTONIC CHONDRODYSTRPHY
35800	MYSTHNA GRVS W/O AC EXAC	3593	FAMIL PERIODIC PARALYSIS
35801	MYASTHNA GRAVS W AC EXAC	3594	TOXIC MYOPATHY
3581	MYASTHENIA IN OTH DIS	3595	MYOPATHY IN ENDOCRIN DIS
3582	TOXIC MYONEURAL DISORDER	3596	INFL MYOPATHY IN OTH DIS
3588	MYONEURAL DISORDERS NEC	35971	INCLUSION BODY MYOSITIS IBM OCT09-
3589	MYONEURAL DISORDERS NOS	35979	OTHER INFLAMMATORY AND IMMUNE
3590	CONG HERED MUSC DYSTRPHY		MYOPATHIES, NEC OCT09-
3591	HERED PROG MUSC DYSTRPHY	35981	CRITICAL ILLNESS MYOPTHY
3592	MYOTONIC DISORDERS	35989	MYOPATHIES NEC
35922	MYOTONIA CONGENITA	3599	MYOPATHY NOS

ICD-9-CM Tracheostomy procedure codes:

3121	MEDIASTINAL TRACHEOSTOMY	3174	REVISION OF TRACHEOSTOMY
3129	OTHER PERM TRACHEOSTOMY		

ICD-9-CM Laryngeal or pharyngeal surgery codes:

253	COMPLETE GLOSSECTOMY	3029	OTHER PARTIAL LARYNGECTOMY
254	RADICAL GLOSSECTOMY	303	COMPLETE LARYNGECTOMY
2731	LOCAL EXCISION OR DESTRUCTION OF	304	RADICAL LARYNGECTOMY
	LESION OR TISSUE OF BONY PALATE	313	OTHER INCISION OF LARYNX OR
290	PHARYNGOTOMY		TRACHEA
2933	PHARYNGECTOMY (PARTIAL)	315	LOCAL EXCISION OR DESTRUCTION OF
2939	OTHER EXCISION OR DESTRUCTION OF		LESION OR TISSUE OF TRACHEA
	LESION OR TISSUE OF PHARYNX	3169	OTHER REPAIR OF LARYNX
294	PLASTIC OPERATION ON PHARYNX	3173	CLOSURE OF OTHER FISTULA OF
2953	CLOSURE OF OTHER FISTULA OF		TRACHEA
	PHARYNX	3175	RECONSTRUCTION OF TRACHEA AND
2959	OTHER REPAIR OF PHARYNX		CONSTRUCTION OF ARTIFICIAL LARYNX
2991	DILATION OF PHARYNX	3179	OTHER REPAIR AND PLASTIC
3009	OTHER EXCISION OR DESTRUCTION OF		OPERATIONS ON TRACHEA
	LESION OR TISSUE OF LARYNX	3198	OTHER OPERATIONS ON LARYNX
3021	EPIGLOTTIDECTOMY	3199	OTHER OPERATIONS ON TRACHEA
3022	VOCAL CORDECTOMY		

ICD-9-CM Procedure on face codes:

252 PARTIAL GLOSSECTOMY

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2559	OTHER REPAIR AND PLASTIC OPERATIONS ON TONGUE	7665	SEGMENTAL OSTEOPLASTY [OSTEOTOMY] OF MAXILLA		
2732	WIDE EXCISION OR DESTRUCTION OF	7666	TOTAL OSTEOPLASTY [OSTEOTOMY]		
	LESION OR TISSUE OF BONY PALATE		OF MAXILLA		
2762	CORRECTION OF CLEFT PALATE	7646	OTHER RECONSTRUCTION OF OTHER		
2763	REVISION OF CLEFT PALATE REPAIR		FACIAL BONE		
2769	OTHER PLASTIC REPAIR OF PALATE	7669	OTHER FACIAL BONE REPAIR		
2931	CRICOPHARYNGEAL MYOTOMY	7691	BONE GRAFT TO FACIAL BONE		
ICD-9-CM Craniofacial abnormality diagnosis codes:					
74483	MACROSTOMIA	7483	CONGENITAL ANOMALIES OF SKULL		
74484	MICROSTOMIA		AND FACE BONES		
7449	UNSPECIFIED ANOMALIES OF FACE AND NECK	7560	TRACHEOMALACIA AND CONGENITAL TRACHEAL STENOSIS		